

Patent

What is claimed is:

1. A de-latch mechanism for a pluggable module, the mechanism comprising:

an actuator slidable in a longitudinal direction;

a lever pivotable about a pivot pin having an axis transverse to the longitudinal direction; and

a cam provided on said pivot pin, said cam having a curved cam surface;

wherein pivoting of said lever about said pivot pin causes said cam surface to impinge upon said actuator to impart sliding motion thereto.

2. The de-latch mechanism of claim 1, wherein said lever is T-shaped.

3. The de-latch mechanism of claim 2, wherein the lever is mounted to said housing centrally of the face.

4. The de-latch mechanism of claim 1, said housing comprising a mounting boss having defining guide rails, said actuator comprising latch tabs defining complementary surfaces for latching to the guide rails.

5. The de-latch mechanism of claim 4, wherein said guide rails define reentrant surfaces, and the latch tabs define complementary reentrant surfaces for latching to the guide rails.

6. The de-latch mechanism of claim 1, wherein said lever is U-shaped.

7. The de-latch mechanism of claim 6, the housing defining a mounting bracket having bearing surfaces dimensioned to receive and retain the pivot pin in a snap fit.

8. The de-latch mechanism of claim 6, the housing comprising a cover mounted thereto, the cover defining a mounting bracket having bearing surfaces dimensioned to receive and retain the pivot pin.

9. The de-latch mechanism of claim 8, the actuator comprising a longitudinally extending guide post, the cover comprising a longitudinally extending channel for receiving the guide post and guiding the actuator in a longitudinal direction.

10. The de-latch mechanism of claim 8, the actuator comprising a pair of legs, the housing comprising a pair of retaining lips for receiving the pair of legs.

11. The de-latch mechanism of claim 8, the housing defining a clearance notch for receiving the cam of the pivot pin.

Patent

12. A pluggable module assembly comprising:

a receptacle having a latch tab defining an opening; and

a pluggable module having:

a housing having a face and a side transverse to the face, the housing having a latching member that extends from the side and is sized for receipt in the opening in the latch tab, the housing defining a slot extending adjacent the latching member;

an actuator mounted in the slot and slidable in a longitudinal direction;

a lever pivotable about a pivot pin having an axis transverse to the longitudinal direction; and

a cam provided on said pivot pin, said cam having a curved cam surface;

wherein pivoting of said lever about said axis causes said cam surface to impinge upon said actuator to impart sliding motion thereto to cause said latch tab to release said latch member.